

IFU

PTO/SB/21 (09-04)

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 98

Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Art Unit	3748
Examiner Name	Trieu, Thai-Ba
Attorney Docket Number	PHDL0525-006

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Itemized Return Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Copy of IDS-Cited References
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Ellis & Venable		
Signature			
Printed name	Anthony D. Logan		
Date	5/26/2005	Reg. No.	41,162

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

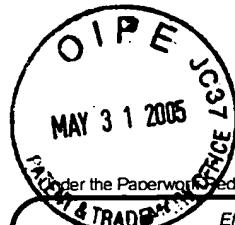
Typed or printed name

Date

5-26-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

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TRADE

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL
For FY 2005** Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known	
Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Examiner Name	Trieu, Thai-Ba
Art Unit	3748
Attorney Docket No.	PHDL0525-006

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 502085 Deposit Account Name: Ellis & Venable, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Small Entity	
Fee (\$)	Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=				
HP = highest number of total claims paid for, if greater than 20						

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Submission of an Information Disclosure Statement

Fees Paid (\$)

\$180.00

SUBMITTED BY

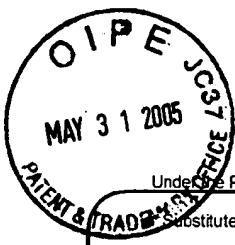
Signature		Registration No. (Attorney/Agent) 41,162	Telephone 602-631-9100
Name (Print/Type)	Anthony D. Logan	Date 5/26/2005	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Art Unit	3748
Examiner Name	Trieu, Thai-Ba
Attorney Docket Number	PHDL0525-006

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
		US- 6,129,510	10-10-2000	Martin	
		US- 5,368,004	11-29-1994	Mann	
		US- 5,302,157	04-12-1994	Oruga et al.	
		US- 5,176,581	01-05-1993	Kumm	
		US- 3,590,791	07-06-1971	Roosa	
		US- 5,308,291	05-03-1994	Robertson et al.	
		US- 5,423,304	06-13-1995	Lawrence et al.	
		US- 5,911,211	06-15-1999	Uchida	
		US- 5,020,971	06-04-1991	Greenspan	
		US- 4,896,734	01-30-1990	Horiuchi et al.	
		US- 5,060,622	10-29-1991	Suzuki	
		US- 5,887,576	03-30-1999	Wheeler, Jr. et al.	
		US- 5,112,281	05-12-1992	Minato et al.	
		US- 4,770,549	09-13-1988	Rokkaku et al.	
		US- 4,773,895	09-27-1988	Takami et al.	
		US- 4,815,428	03-28-1989	Bunk	
		US- 4,913,690	04-03-1990	Di Giacomo et al.	
		US- 4,934,837	06-19-1990	Kawamura	
		US- 5,224,459	07-06-1993	Middlebrook	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
		JP-405272494-A	10-19-1993	Somahara et al.		
		DE-40 11 818-A1	10-17-1991	Herwig		
		DE-42 26 550-A1	02-17-1994	Mundorff et al.		
		JP-357183523-A	11-11-1982	Takamatsu		
		JP-405106457-A	04-27-1993	Nakamura		
		JP-403168329-A	07-22-1991	Tateno		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3

Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Art Unit	3748
Examiner Name	Trieu, Thai-Ba
Attorney Docket Number	PHDL0525-006

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
	US-	5,334,107	08-02-1994	White	
	US-	5,415,592	05-16-1995	Hoyt	
	US-	5,522,667	06-14-1996	Miyake	
	US-	5,704,862	01-06-1998	Janne et al.	
	US-	5,851,635	12-22-1998	Di Giacomo et al.	
	US-	6,012,436	01-11-2000	Boutcher	
	US-	124,131	02-27-1872	Hagerty	
	US-	148,808	03-24-1874	Cleves	
	US-	235,018	11-30-1880	Poullain et al.	
	US-	664,505	12-25-1900	Richards	
	US-	1,286,482	12-03-1918	Yoder	
	US-	2,835,238	05-20-1958	Oehrli	
	US-	2,917,935	12-22-1959	Haug	
	US-	4,028,955	06-14-1977	Fisher et al.	
	US-	4,216,679	08-12-1980	Howerton et al.	
	US-	4,369,020	01-18-1983	Rahnke	
	US-	4,653,349	03-31-1987	Kaneyuki	
	US-	6,082,340	07-04-2000	Heimark	
	US-	4,149,497	04-17-1979	Zeliszewycz	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)				
		JP-406058158-A	03-01-1994	Teraoka		
		JP-404050432-A	02-19-1992	Shirai		

Examiner Signature	Date Considered
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Substitute for form 1449/PTO				Complete if Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				
(Use as many sheets as necessary)				
Application Number	10/657,318			
Filing Date	09/08/2003			
First Named Inventor	Martin, Allen			
Art Unit	3748			
Examiner Name	Trieu, Thai-Ba			
Sheet	3	of	3	Attorney Docket Number
				PHDL0525-006

NON-PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
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